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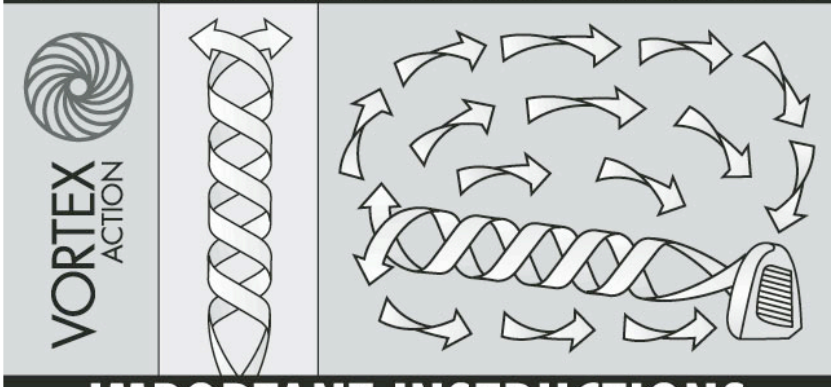
DIGITAL VORTEX HEATER

OWNER'S GUIDE OWNER'S GUIDE OWNER'S GUIDE



IMPORTANT INSTRUCTIONS
SAVE THESE INSTRUCTIONS

...Feel The Difference®

VORNADO®

Vornado Heater
1-Year Limited Warranty

Vornado Air Circulation Systems, Inc. warrants to the original consumer or purchaser that the Vornado Digital Vortex Heater is free from any defects in material or workmanship for the period of one (1) year.

This limited warranty does not apply to defects resulting from abuse of the unit, modification, alteration, repair or service of the unit by anyone other than Vornado Air Circulation Systems, Inc., mishandling, improper maintenance, commercial use of the unit, or damages which occur in shipment or are attributable to acts of God.

THIS WARRANTY IS THE ONLY ONE WE GIVE ON YOUR VORNADO HEATER. IT SETS FORTH ALL OUR RESPONSIBILITIES REGARDING YOUR VORNADO HEATER. THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED ABOVE. VORNADO AIR CIRCULATION SYSTEMS, INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, OR ARISING OUT OF ANY BREACH OF THE WARRANTY. ANY IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THE EXPRESS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or a limitation on how long the implied warranties last; so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

How to Obtain Return Authorization

For warranty or repair service, call 1-800-234-0604 or e-mail consumerservice@vornado.com to obtain a Return Authorization (RA) form. Please have or include your Vornado Heater's model number and serial number, as well as your name, address, city, state, zip code and phone number when contacting Vornado for warranty service.

To assure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock.

For your records:
Serial No._____

Model No._____
(Located on Bottom of Heater)

PRODUCT REGISTRATION AVAILABLE AT www.vornado.com

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U.S. Patent D-441, 065

Vornado Consumer Services
P 1-800-234-0604 W www.vornado.com E consumerservice@vornado.com
A 415 E. 13th Street, Andover, KS 67002

Specifications subject to change without notice. CL3-0092 REV-

IMPORTANT INSTRUCTIONS

Read all instructions before using this heater.

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

•EXTREME CAUTION IS NECESSARY WHEN ANY HEATER IS USED BY OR NEAR CHILDREN OR INVALIDS AND WHENEVER THE HEATER IS LEFT OPERATING UNATTENDED.

•FOR RESIDENTIAL USE, INDOOR ONLY. NOT FOR USE IN ANIMAL PENS OR OUTDOOR BUILDINGS.

•Use this heater only as described in this manual. Any other use not recommended by Vornado may cause fire, electrical shock or injury to persons.

•Operate this heater only in its upright position.

•This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.

•Do not operate the heater on an elevated surface such as a shelf or desktop; use only while placed on the floor.

•A heater has hot and arcing or sparking parts inside. Do not use the heater in areas where gasoline, paint or flammable liquids are used or stored.

•Keep combustible materials such as furniture, pillows, bedding, papers, clothes, and curtains away from the front, sides, and rear of the heater.

•To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft or uneven surfaces, like a bed, couch, etc., where openings may become blocked.

Operating Tips

If unit has been unplugged, start the unit following the start-up instruction (see How To Use). However, for your convenience, if you are restarting your Digital Vortex Heater, just press the POWER button and the unit will continue from the last used setting before it was turned off.

To use your Digital Vortex Heater as a fan, set the MODE to FA (Fan Only).

Vornado Digital Vortex Heater, like other 1500-Watt electric heaters, draws up to 12.5 Amps of electric current. If using Digital Vortex Heater on HI (high heat) mode causes your home circuit breaker or fuse to trip, we offer the following suggestions:

•Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electrical shock, fire or damage to the heater.

•This heater is equipped with a thermal safety shut-off system, designed to turn off the heater when an internal overheating condition is detected (see How to use "Resetting Digital Vortex Heater," to determine how to check and reset heater).

•This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. Do not attempt to defeat this safety feature.

•Do not run cord under carpeting. Do not cover cord with area rugs, runners or the like. Arrange cord away from traffic areas where it may be tripped over.

•Avoid the use of an extension cord because the extension cord may overheat and cause a risk of fire. If you have to use an extension cord, the cord must be 14AWG minimum size and rated not less than 15 Amps or 1875 Watts at 125 VAC.

•Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Return heater to Vornado Air Circulation Systems for examination, electrical or mechanical adjustment or repair.

•Always unplug heater when not in use. To disconnect heater, turn controls to off, then remove plug from outlet.

•Do not operate this heater with any motor controller device on the same circuit.

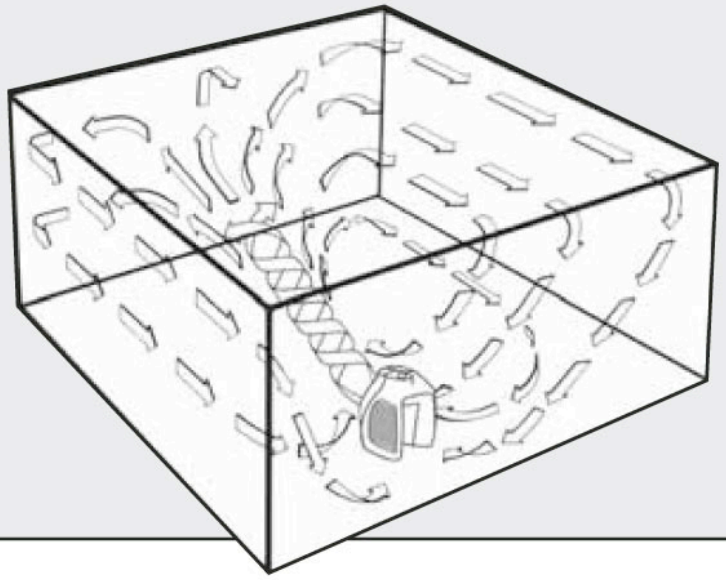
SAVE THESE INSTRUCTIONS

1. Try turning off other electrical appliances that run on the same circuit as your heater.
2. Run your heater on the LO (low heat) mode.
3. Have your electrician add some additional circuits to your home electrical system.

When the room temperature is higher than the set temperature it is normal and correct to have little to no heat coming out of the Digital Vortex Heater. When the unit is first turned on there is a slight delay before heat will start to be produced.

Vornado Vortex Circulation

Vornado comes from a combination of the words **VOR**tex and tor**NADO**. Your Vornado Digital Vortex Heat, like all Vornado products, produces a vortex or tornado-like "beam" of air that projects across the room and forces air to return around the perimeter of the room to be recirculated. The result is the efficient circulation of heat throughout the entire room.

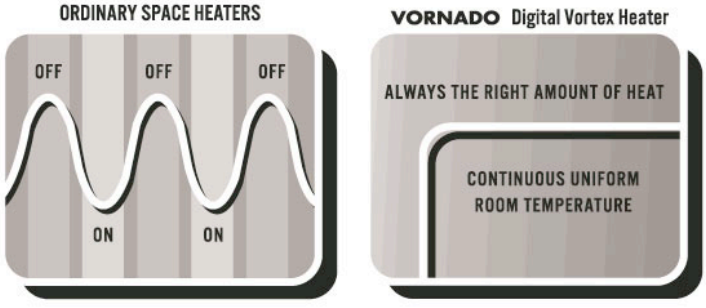


Auto-Adjusting Climate Control

ELIMINATES ANNOYING HOT AND COLD CYCLES
Our exclusive Digital Vortex Heater provides only the heat you need, when you need it. Automatically.

MAINTAINS ROOM TEMPERATURE AUTOMATICALLY
Simply set the temperature to the desired setting and walk away. Once the temperature is set, the Digital Vortex Heater begins to raise all room air to the selected setting. When it's reached, the heater automatically lowers heat output and fan speed to precisely maintain that temperature.

NO MORE THERMOSTAT FIDDLING
Heat output and fan speed are continuously & precisely regulated.



Multi-Level Safety Protection

Blocked Airflow Protection To prevent overheating, which may occur when the inlets or outlet are blocked, a foreign object prevents the blade from turning, or the appliance tips over, the Safety Shut-Off System cuts power to the heat element and fan.

No Overheating Over-temperature thermal breaker with backup fuse.

Cool Touch Cabinet Cabinet and grill are cool to the touch. The case is made of tough, impact resistant polymer and does not conduct heat like metal cases found on many ordinary heaters.

Non-Glowing, Electronically Controlled Heating Element Even on HI, the heat element does not glow, making it safer and longer lasting.

Tight Grill Spirals Tight grill spirals discourage wandering fingers, paws, and fabrics.

How To Use

Using your Digital Vortex Heater is simple. Just follow these simple steps.

1. Position the Digital Vortex Heater so the vortex beam of warm air is directed across the room unobstructed. The unique side-angled air inlet allows the heater to be placed closer to walls than possible with most ordinary heaters (but do not place close to combustibles). Avoid areas of temperature extremes such as cold drafts and heat registers.
2. Plug power cord into a standard wall outlet.
3. Press the **POWER** button to turn on the unit.
4. Unit will display the previous user settings.
5. If heat is desired press the **MODE** button until **LO** (low heat) is displayed, or press the **MODE** button again until the **HI** (high heat) is displayed.
6. Press the **WARMER** button to raise the set temperature or **COOLER** to lower the set temperature. The unit will display the set temperature when the **SET TEMP** light is lit.
7. Your Digital Vortex Heater will put out only the heat required to obtain and maintain the set temperature.
8. **FA MODE** will provide fan with no heat.

Resetting the Digital Vortex Heater
Vornado Digital Vortex Heater has a multi-level safety shut-off system designed to prevent overheating. Overheating may occur when the inlets or outlet are blocked, a foreign object prevents the blade from turning, or the appliance tips over. If this happens, the safety shut-off system will cut power to the heat element. If this occurs, you will need to manually reset the heater.

1. Press the Power button to turn the unit off then unplug the unit.
2. Remove any obstructions.
3. Wait 5-10 minutes, allowing the unit to cool down. Press the Power button to turn the unit on.
4. Plug in heater and position. The Digital Vortex Heater should now function normally.

If the Safety Shut-off System repeatedly shuts off your heater, or if it will not reset after following the above procedure, **DO NOT ATTEMPT TO DISASSEMBLE THE UNIT**, call Vornado Consumer Services Department, toll free at 1-800-234-0604.

Operating Controls

MODE	Press this button to select mode.
POWER	Press this button to turn unit on or off.
WARMER	Press this button to raise the desired room temperature.
COOLER	Press this button to lower the desired room temperature.
MODE light	Indicates the display is showing the current mode.
ROOM TEMP light	Indicates the display is showing the current room temperature. The temperature displayed is approximate; displayed temperature will vary based on proximity to the heater, room size, and ceiling height.
SET TEMP light	Indicates the display is showing the current desired room temperature.
LCD display	Indicates mode, room temperature or set temperature.

Maintaining your Di

Digital Vortex Heater has no user serviceable parts. Do not disassemble the unit – it will void your warranty. If service is required, return your heater to Vornado Air Circulation Systems (see warranty).

The motor is permanently lubricated and requires no oiling.

Because the Digital Vortex Heater moves a great deal of air, it will need regular cleaning. Be sure to unplug the unit prior to cleaning. With a vacuum, clean the air inlets on the side of the unit and the outlet grill vanes on the front of the unit.

During the off-season or extended periods of non-use, store your heater. Unplug the unit, bundle the cord. Save the plastic bag the heater was shipped in so you can cover the unit and minimize settling dust.

- **Digital Display**
  Accurately shows room temperature, desired set temperature, and mode
- **Easy Push Button Controls**
  Let you set room temperature to meet any comfort need
- **Heat Control**
  Choose from Hi Heat (1500 Watts), Lo Heat (800 Watts), or Fan only
- **One-Touch Power Button**
  Quickly reaches and maintains most recent temperature setting for effortless use

Display Information

The indicator lights will indicate which mode is showing in the display, and will cycle through the display modes.

The **MODE** light indicates which mode the unit is in.

FA is fan only mode.

LO is low heat mode. Power consumption will not exceed 800 watts. Low heat is helpful for limiting the power draw on the circuit the unit is using.

HI is high heat mode. This allows the heater to draw up to 1500 watts for maximum heat potential. The unit will throttle back and draw only the power it needs to maintain the set temperature.

The **ROOM TEMP** light illuminates when the LCD displays the current room temperature. Displayed in Degrees Fahrenheit.

The **SET TEMP** light illuminates when the LCD displays the desired temperature (degrees F) that you have selected for the room. Note the set temperature can be changed just by pressing the **WARMER** or **COOLER** button; you do not need to press the **MODE** button first.

gital Vortex Heater